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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/551,241	09/28/2005	Myung-Bum Han	2017-030	4122
52706 7590 03/17/2008 EXAMI				INER
3580 WILSHIRE BLVD.			JONES, MELVIN	
	17TH FLOOR LOS ANGELES, CA 90010			PAPER NUMBER
			3744	
			MAIL DATE	DELIVERY MODE
			03/17/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/551,241	HAN, MYUNG-BUM			
Office Action Summary	Examiner	Art Unit			
	Melvin Jones	3744			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
Responsive to communication(s) filed on <u>28 Secondary</u> This action is FINAL . 2b) ☑ This Since this application is in condition for alloware closed in accordance with the practice under Expression in the Expressio	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
4) Claim(s) 1-12 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) Claim(s) 12 is/are allowed. 6) Claim(s) 1 is/are rejected. 7) Claim(s) 2-11 is/are objected to. 8) Claim(s) are subject to restriction and/or Application Papers 9) The specification is objected to by the Examine. 10) The drawing(s) filed on 28 September 2005 is/a Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction.	vn from consideration. r election requirement. r. are: a)⊠ accepted or b)□ objected or by the constant of the drawing(s) is objection is required if the drawing(s) is objection.	e 37 CFR 1.85(a). lected to. See 37 CFR 1.121(d).			
11) The oath or declaration is objected to by the Ex	anniner. Note the attached Office	Action of Iomir 10-132.			
Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 09282005.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	nte			

DETAILED ACTION

Claim Objections

Claims 1-11 are objected to because of the following informalities: In claim 1, lines (11 & 14) the terminology "support value" is misspelled and should read - - support value - -. Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 1 rejected under 35 U.S.C. 102(b) as being anticipated by Kapeker (US Patent No. 3,071,935). Kapeker discloses a refrigeration system comprising an auxiliary type heat exchanger (16) whereby the low & high side refrigerants are in heat exchange, a valve (32) upstream of said auxiliary heat exchanger, a condenser (12) and a compressor (10).

Allowable Subject Matter

Claim 12 is allowed over the prior art of record.

Claims 2-11 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Art Unit: 3744

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Melvin Jones whose telephone number is (571)272-4810. The examiner can normally be reached on Monday- Wednesday & Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cheryl Tyler can be reached on (571) 272-4834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Melvin Jones/ Primary Examiner, Art Unit 3744